

# **Section 5**

# **Design Guide Plates and Data Sheets Operating Room Support Spaces**

# **Guide Plates**

Anesthesia	Workroom	and
<b>Equipment</b>	Storage	

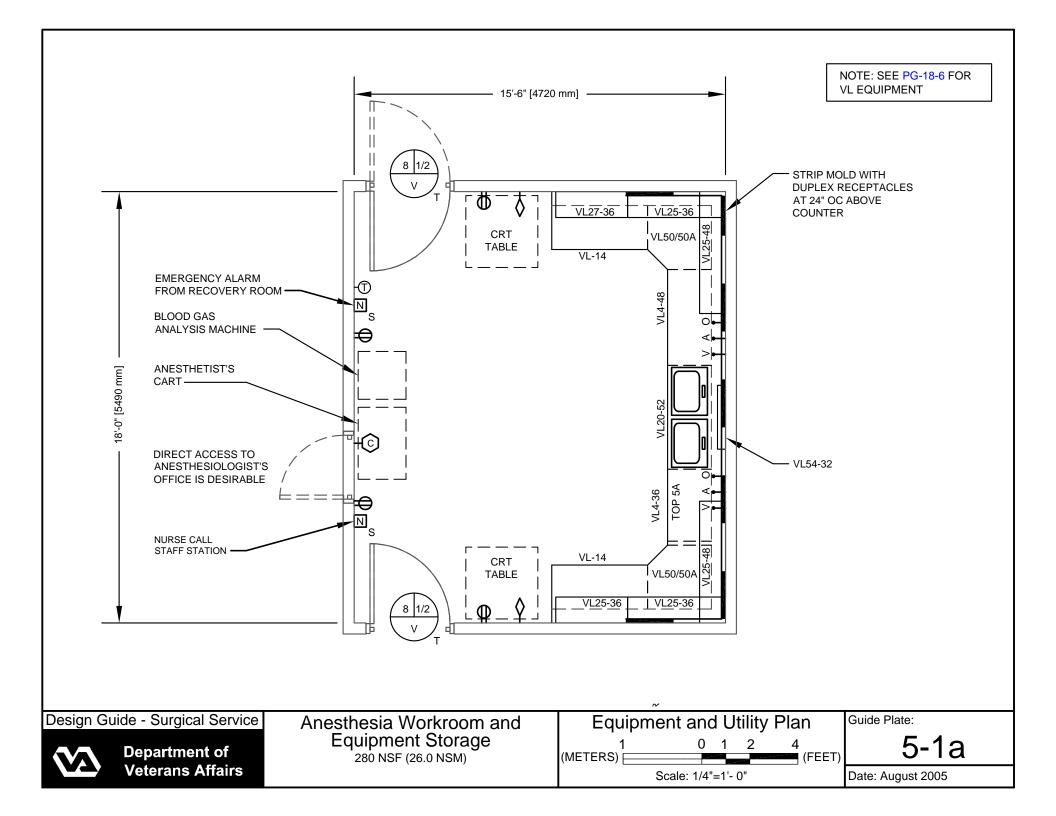
Equipment and Utility Plan	5-1
Reflected Ceiling Plan	5-1
Design Standards	5-10
Equipment Guide List	5-10
Frozen Section Laboratory	
Equipment Plan, Utility Plan and Reflected Ceiling Plan	5-2a
Design Standards	5-2b
Equipment Guide List	5-2c

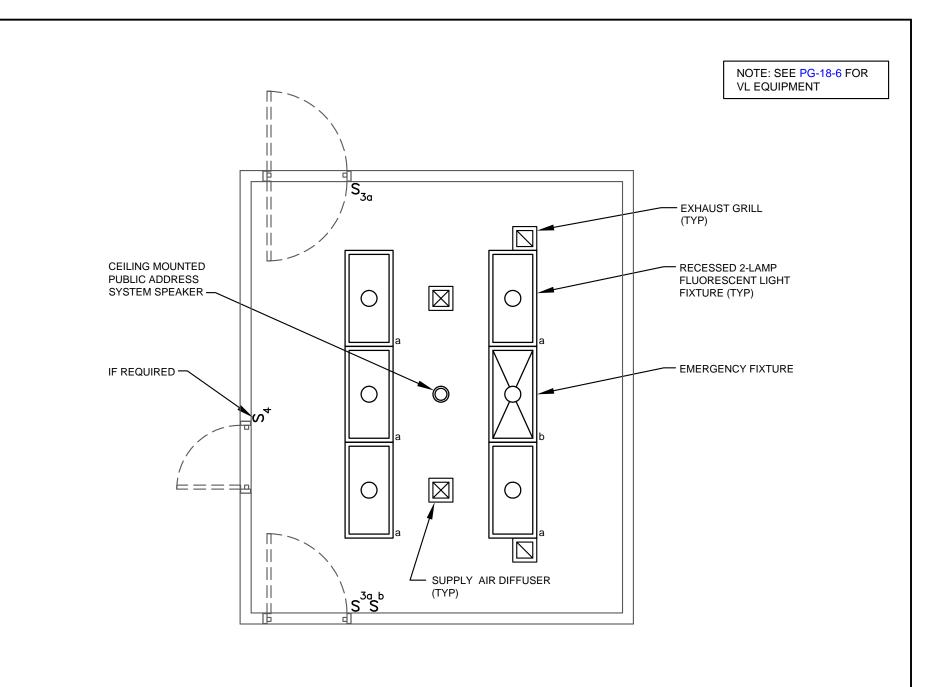
VA DESIGN GUIDE SURGICAL SERVICE **INDEX- SECTION 5** 

Preparation Room5-3
Equipment Plan, Utility Plan & Reflected Ceiling Plan 5-3a
Design Standards5-3b
Equipment Guide List5-3c
Plaster & Splint Storage Room5-4
Equipment Plan, Utility Plan & Reflected Ceiling Plan5-4a
Design Standards5-4b
Equipment Guide List5-4c
Radiographic Film Processing Room5-5
Equipment Plan, Utility Plan & Reflected Ceiling Plan5-5a
Design Standards5-5b
Equipment Guide List5-5c
Sub-sterile Room (Recessed Equipment)5-6
Equipment Plan, Utility Plan & Reflected Ceiling Plan5-6a
Design Standards5-6b
Equipment Guide List5-6c

Sub-sterile Room (Cabinet Enclosed Equipment)5-	7
Equipment Plan, Utility Plan & Reflected Ceiling Plan5-	7a
Design Standards5-	<b>7</b> b
Equipment Guide List5-	7c

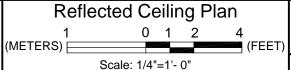
VA DESIGN GUIDE SURGICAL SERVICE





Department of Veterans Affairs

Anesthesia Workroom and Equipment Storage 280 NSF (26.0 NSM)



Guide Plate:

5-1b

Floor Area 280 NSF\* (26.0 NSM) Wall Finish GYP. BOARD(SC)
Ceiling GYP. BOARD Wainscot ACROVYN ON CBB

Ceiling Height 9'-0" (2.75 METERS) Base WSF

Floor Load 100 PSF Floor finish 6" (152 mm) INTEGRAL

**COVE BASE** 

Notes: Lead Lining -

Refer to PG-18-1 and PG-18-6

\*ADD 70 NSF FOR EACH O.R. OVER 4 INCLUDING CYSTOSCOPY

**ELECTRICAL** 

Lighting Power

General 50 FC, 1.5 W/SF General 800 WATTS

Special - Special \* Emergency (1) FIXTURE Emergency -

\*(1) STRIP MOLD W/DUPLEX RECEPTACLES 24" OC ABOVE COUNTER

**TELECOMMUNICATIONS** 

Patient Monitor - Telephone YES
Nurse Call YES Intercom -

Code One BEEPER\* Public Address YES

CCTV - ADP EMPTY CONDUIT

Radio -

\*AUDIO EMERGENCY ALARM FROM RECOVERY BEDS

HEATING, VENTILATING AND AIR CONDITIONING

AC Load Lights 1.8 W/SF AC Load Equipment 4.0 W/SF

Number of People 2 Noise Criteria NC-40 Room Pressure (0)

Dry Bulb Temp Cooling Range 78° F (25° C)

Dry Bulb Temp Heating Range 72° F (22° C)

Minimum Air Changes per Hour
Minimum % Outside Air
100
100% Exhaust Air
Special Exhaust
Steam
-

Relative Humidity 50 % Relative Humidity 30 %

### PLUMBING AND MEDICAL GASES

YES Cold Water Medical Air YES YES Medical Vacuum YES Hot Water Sanitary Drain YES YES Oxygen Acid Waste Nitrous Oxide Silver Recovery -Nitrogen Anesthesia Evac -

SPECIAL EQUIPMENT

None

Design Guide - Surgical Service

Department of Veterans Affairs

Anesthesia Workroom and Equipment Storage 280 NSF (26.0 NSM) **Design Standards** 

Guide Plate:

5-1c

SYMBOL	QTY	AI	DESCRIPTION	MCS
TOP 5A	AR	CF	COUNTER TOP, CORROSION RESISTING STEEL, 1-1/4" (32 mm) THICK WITH INTEGRAL DOUBLE SINK, 26" X 23"X 11" DEEP (660 mm X 584 mm X 279 mm), EACH	12303
VL20/20A	AR	CF	CABINET, UNDERCOUNTER, SINK UNIT, 2 HINGED PANEL DOORS, AVAILABLE WIDTHS 30" (760 mm), 36" (915 mm), 42" (1065 mm), 48" (1220 mm); DEPTH 22" (560 mm); HEIGHTS 31" (790 mm), 25" (635 mm), FOR FLOOR MOUNTED ADD 5" (130 mm) TOE BASE	12301
Q-2	2	CF	SINK, CORROSION RESISTING STEEL, WITH END OR CORNER DRAIN OUTLET, 24" X 18" X 11" DEEP (610 mm X 460 mm X 280 mm)	12303
VL4/4A	AR	CF	CABINET, UNDERCOUNTER, WITH 2 DRAWERS, 2 HINGED DOORS AND 1 ADJUSTABLE SHELF, AVAILABLE WIDTHS 30" (760 mm), 36" (915 mm), 48" (1220 mm); DEPTH 22" (495 mm); HEIGHTS 31" (780 mm), 25" (635 mm), FOR FLOOR MOUNTED ADD 5" (130 mm) TOE BASE	12301
VL50/50A	AR	CF	CABINET, UNDERCOUNTER, CORNER UNIT, FLOOR MOUNTED, WITH 5" (130 mm) TOE BASE, SINGLE DOOR, FIXED SHELF, 32" (815 mm) ALONG WALLS, HEIGHTS 31" (790 mm), 25" (635 mm)	12301
VL14	AR	CF	TABLE FRAME, WITH DRAWER(S), KNEE SPACE UNIT, AVAILABLE WIDTHS 18" (460 mm), 24" (610mm), 30" (760 mm), 36" (915 mm), 42" (1065 mm), 48" (1220 mm); DEPTH 22" (559 mm); HEIGHT 31" (780 mm)	12301
VL25	AR	CF	CABINET, WALL, WITH SLOPING TOP, 2 GLAZED SLIDING DOORS AND 2 ADJUSTABLE SHELVES, AVAILABLE WIDTHS 30" (760 mm), 36" (915 mm), 42" (1065 mm), 48" (1220 mm); DEPTH 13" (330 mm); HEIGHT 30" (760 mm)	12301
VL27	1	CF	CABINET, WALL, WITH SLOPING TOP, 1 HINGED DOOR AND 2 ADJUSTABLE SHELVES, AVAILABLE WIDTHS - 18"(460 mm), 24" (610 mm); DEPTH - 13" (330 mm); HEIGHT - 30" (760 mm)	12301
VL54	AR	CF	PEGBOARD, 32 PEGS, 20"W X 30"H (510 mm X 760 mm) OR 53 PEGS, 32"W X 30"H (815 mm X 760 mm)	06200
	AR	СС	OUTLET, WALL, OXYGEN (LOCATE OUTLETS ABOVE COUNTER)	15491
	AR	СС	OUTLET, WALL, MEDICAL AIR (LOCATE OUTLETS ABOVE COUNTER)	15491
	AR	СС	OUTLET, WALL, VACUUM (LOCATE OUTLETS ABOVE COUNTER)	15491
	AR	СС	FLOWMETER, 15 LITER PER MINUTE	

Department of Veterans Affairs

Anesthesia Workroom and Equipment Storage
280 NSF (26.0 NSM)

Equipment Guide List
Page 1 of 2

Guide Plate:

5-1d (i)

SYMBOL	QTY	ΑI	DESCRIPTION	MCS
	1	СС	AUDIO, EMERGENCY ALARM (BEEPER) FROM RECOVERY BEDS	16761
	1	СС	CONDUIT FOR ABOVE EQUIPMENT TO RECOVERY BEDS	16111
	AR		RECEPTACLE, ELECTRICAL, DUPLEX, 120 VOLT, 15 AMP, STRIP MOLD WITH OUTLETS,	16140
	AK		WIRED ALTERNATELY ON SEPARATE CIRCUITS 24" (610 mm) ON CENTERS ABOVE COUNTER	10140
	1	VV	DISPENSER, SOAP, LIQUID, WALL MOUNTED	
	1	VV	DISPENSER, BIFOLD PAPER TOWEL, SURFACE MOUNTED	
	1	VV	FLAME PHOTOMETER	
	2	VV	TABLE, CRT, APPROX., 36" X 36' (914 mm X 914 mm)	
	1	VV	MACHINE, BLOOD GAS ANALYSIS	
	1	VV	CART, ANESTHESIA EQUIPMENT	
	1	VV	CLOCK, BATTERY OPERATED	
	AR	СС	RECEPTACLE, ELECTRICAL, DUPLEX, 120 VOLT, 20 AMP	16140
	2	СС	COMPUTER TERMINAL OUTLETS, SIGNAL AND POWER	
	1	СС	SPEAKER, CEILING MOUNTED FOR PA SYSTEM	16770
	1	СС	NURSE CALL STAFF STATION	16761



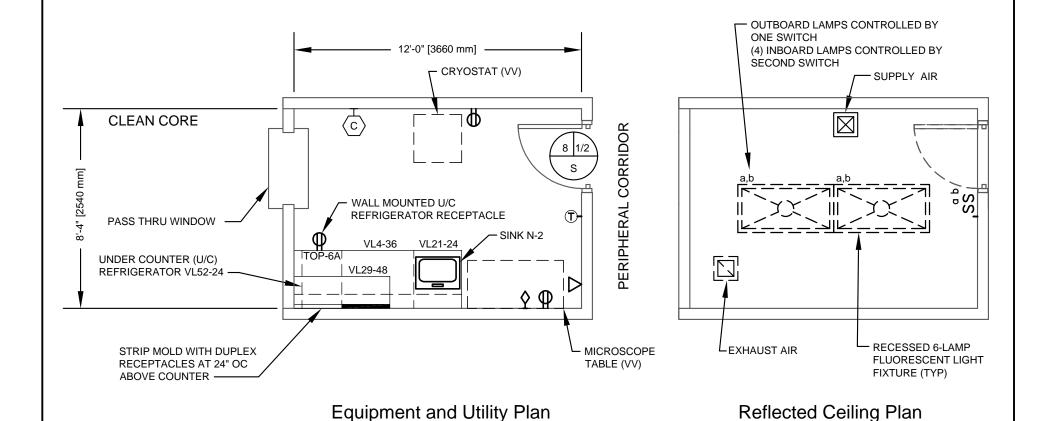
Anesthesia Workroom and Equipment Storage 280 NSF (26.0 NSM)

Equipment Guide List

Guide Plate:

5-1d (ii)

NOTE: SEE PG-18-6 FOR VL EQUIPMENT



Design Guide - Surgical Service

Department of Veterans Affairs

Frozen Section Laboratory
100 NSF (9.2 NSM)

Equip, Utility and Refl Clg Plan

1 0 1 2 4

(METERS) Scale: 1/4"=1'- 0"

Guide Plate:

5-2a

Floor Area Ceilina

Floor Load

GYP. BOARD

100 NSF (9.2 NSM) Wall Finish Wainscot

GYP. BOARD(SC)

Ceiling Height 100 PSF Base Floor finish

**WSF** 6" (152 mm) INTEGRAL COVE BASE

Lead Lining

Note:

Refer to PG-18-1 and PG-18-6

ALL

**ELECTRICAL** 

Lighting

Power

General Special

Emergency

100 FC, 4.0 W/SF

General **1000 WATTS** 

Special

Emergency **1000 WATTS** 

\*(1) STRIP MOLD WITH DUPLEX RECEPTACLES 24" OC ABOVE COUNTER

**TELECOMMUNICATIONS** 

Patient Monitor -Nurse Call

Telephone

YES

Intercom

PART OF TELEPHONE

Public Addr.

Code One CCTV

ADP

**EMPTY CONDUIT** 

Radio

HEATING, VENTILATING AND AIR CONDITIONING

AC Load Lights AC Load Equipment

Number of People

Noise Criteria Room Pressure

Dry Bulb Temp Cooling Range Dry Bulb Temp Heating Range Minimum Air Changes per Hour

Minimum % Outside Air 100% Exhaust Air Special Exhaust

Steam

Relative Humidity Relative Humidity

4.5 W/SF

12.0 W/SF

NC-45

**NEGATIVE** 

78° F (25° C) 72° F (22° C)

12(SA) 100

YES

50 %

30 %

PLUMBING AND MEDICAL GASES

Cold Water YES Hot Water Sanitary Drain

YES

Medical Vacuum -Oxvaen

Medical Air

Acid Waste YES\* Nitrous Oxide Silver Recovery -Nitrogen

Anesthesia Evac -

\*CONNECT CRP WASTE AND VENT TO NORMAL STACKS

SPECIAL EQUIPMENT

None

Design Guide - Surgical Service

**Department of Veterans Affairs**  Frozen Section Laboratory 100 NSF (9.2 NSM)

**Design Standards** 

Guide Plate:

5-2b

SYMBOL	QTY	ΑI	DESCRIPTION	MCS
TOP 6/6A	1	CF	COUNTER TOP, HIGH PRESSURE PLASTIC LAMINATE, ACID RESISTANT COMPOSITION OVER PLYWOOD OR PARTICLE BOARD CORE, 1-1/4" (30 mm) THICK	12303
N-2	1	CF	SINK, CORROSION RESISTING STEEL, WITH END OR CORNER DRAIN OUTLET, 22" X16" X 11" DEEP (560 mm X 405 mm X 280 mm)	12303
VL21/21A	1	CF	CABINET, UNDERCOUNTER, SINK UNIT, 1 DOOR, AVAILABLE WIDTHS 18" (460 mm), 24" (610 mm); DEPTH 22" (560 mm); HEIGHTS 31" (790 mm), 25" (635 mm), FOR FLOOR MOUNTED ADD 5" (130 mm) TOE BASE	12301
VL4/4A	1	CF	CABINET, UNDERCOUNTER, WITH 2 DRAWERS, 2 HINGED DOORS AND 1 ADJUSTABLE SHELF, AVAILABLE WIDTHS 30" (760 mm), 36" (915 mm), 48" (1220 mm); DEPTH 22" (560 mm); HEIGHTS 31" (790mm), 25" (635mm), FOR FLOOR MOUNTED ADD 5" (130 mm) TOE BASE	12301
VL29	1	CF	CABINET, WALL, WITH SLOPING TOP, 2 GLAZED SLIDING DOORS AND 2 ADJUSTABLE SHELVES, AVAILABLE WIDTHS 36" (915 mm), 48" (1220 mm); DEPTH 16" (405 mm); HEIGHT 30" (760 mm)	12301
VL52	1	CF	REFRIGERATOR, 5 CU. FT., 120 VOLT, 20 AMP, UNDERCOUNTER	11415
	1	VV	TABLE, MICROSCOPE (DUAL SEATS) 48" (1220 mm) X 24" (610 mm) X 30" (760 mm)	
	1	VV	CRYOSTAT, FLOOR STANDING, APPROX. 27" (685 mm) W X 27" (685 mm) D X 48" (685 mm) H	
	1	VV	MICROSCOPE, DOUBLE HEAD	
	AR	СС	RECEPTACLE, ELECTRICAL, DUPLEX, 120 VOLT, 20 AMP, STRIP MOLD WITH OUTLETS ON 24" (610mm) CENTERS, 9" (229 mm) ABOVE COUNTER	16140
	1	СС	WINDOW, PASS THRU FROM PERIPHERAL CORRIDOR AREA	05500 08665
	1	VV	CLOCK, BATTERY OPERATED	
	AR	СС	RECEPTACLE, ELECTRICAL, DUPLEX, 120 VOLT, 20 AMP	16140
	1	СС	FIBER OPTIC SYSTEM	
	1	СС	COMPUTER TERMINAL OUTLET	

Design Guide - Surgical Service

Department of Veterans Affairs

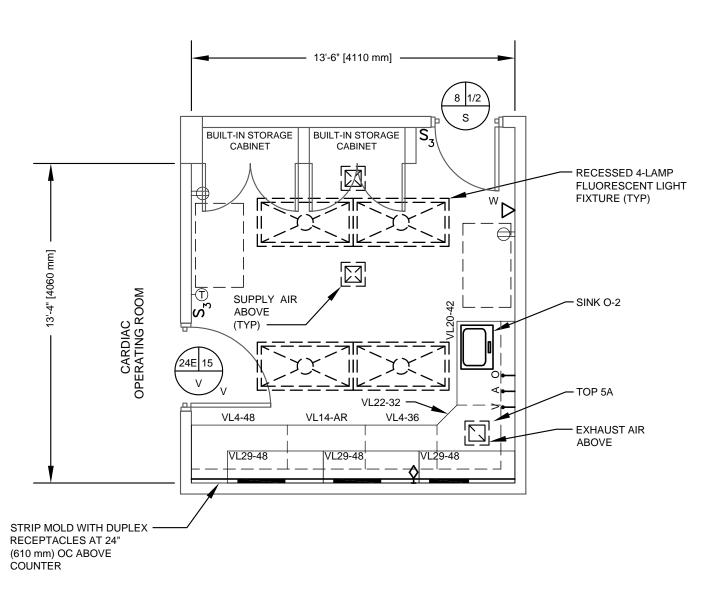
Frozen Section Laboratory
100 NSF (9.2 NSM)

Equipment Guide List

Guide Plate:

5-2c

NOTE: SEE PG-18-6 FOR VL EQUIPMENT



Design Guide - Surgical Service

Department of Veterans Affairs

Heart/Lung Machine Preparation Room 180 NSF (17.4 NSM)

Equip, Utility and Refl Clg Plan

1 0 1 2 4 (FEET)

Scale: 1/4"=1'- 0"

Guide Plate:

5-3a

180 NSF (17.4 NSM) Floor Area GYP. BOARD Ceiling Ceiling Height

Wall Finish Wainscot Base

GYP. BOARD(SC)

COVE BASE

6" (152 mm) INTEGRAL

**WSF** 

**AC Load Lights** AC Load Equipment Number of People

3.5 W/SF 2.5 W/SF

9'-0" (2.75 METERS) 100 PSF

Floor finish

Noise Criteria Room Pressure

100 % Exhaust Air

NC-40

Note:

Floor Load

Lead Lining

Dry Bulb Temp Cooling Range

78° F (25° C) 72° F (22° C)

Refer to PG-18-1 and PG-18-6

\*LEAD LINED DOORS FROM SUPPORT SPACES INTO O.R.

Dry Bulb Temp Heating Range Minimum Air Changes per Hour Minimum % Outside Air

HEATING, VENTILATING AND AIR CONDITIONING

100 YES

**ELECTRICAL** 

Power

General

Special Exhaust Steam Relative Humidity 50 %

Lighting

**1000 WATTS** 

70 FC, 2.8 W/SF General Special

Special

Emergency ALL

Emergency **1000 WATTS**  Relative Humidity 30 %

\*(1) STRIP MOLD WITH DUPLEX RECEPTACLES 24" OC ABOVE COUNTER

PLUMBING AND MEDICAL GASES

YES Cold Water YES Hot Water Sanitary Drain YES Acid Waste Silver Recovery -

YES Medical Air Medical Vacuum YES Oxygen YES Nitrous Oxide Nitrogen

Anesthesia Evac -

**TELECOMMUNICATIONS** 

Patient Monitor -Nurse Call

Code One

**CCTV** 

Telephone Intercom

ADP

Radio

WALL MTD

PART OF TELEPHONE

Public Addr.

**EMPTY CONDUIT** 

\*CONNECT CRP WASTE AND VENT TO NORMAL STACKS

SPECIAL EQUIPMENT

None

Design Guide - Surgical Service

**Department of Veterans Affairs**  Heart/Lung Machine Preparation Room 180 NSF (17.4 NSM)

**Design Standards** 

Guide Plate:

5-3b

SYMBOL	QTY	ΑI	DESCRIPTION	MCS
TOP 5A	AR	CF	COUNTER TOP, CORROSION RESISTING STEEL, 1-1/4" (32 mm) THICK WITH INTEGRAL DOUBLE SINK, 26" X 23" X 11" (660 mm X 585 mm X 280 mm) DEEP, EACH	12303
VL20/20A	1	CF	CABINET, UNDERCOUNTER, SINK UNIT, 2 HINGED PANEL DOORS, AVAILABLE WIDTHS 30" (760 mm), 36" (915 mm), 42" (1065 mm), 48" (1220 mm); DEPTH 22" (560 mm); HEIGHTS 31" (790 mm), 25" (635 mm), FOR FLOOR MOUNTED ADD 5" (130 mm) TOE BASE	12301
O-2	1	CF	SINK, CORROSION RESISTING STEEL, WITH CENTER DRAIN OUTLET, 22" X 16" X 12" (560 mm X 405 mm X 305 mm) DEEP	12303
VL4/4A	AR	CF	CABINET, UNDERCOUNTER, WITH 2 DRAWERS, 2 HINGED DOORS AND 1 ADJUSTABLE SHELF, AVAILABLE WIDTHS 30" (760 mm), 36" (915 mm), 48" (1220 mm); DEPTH 22" (560 mm); HEIGHTS 31" (790 mm), 25" (635 mm), FOR FLOOR MOUNTED ADD 5" (130 mm) TOE BASE	12301
VL50/50A	1	CF	CABINET, UNDERCOUNTER, CORNER UNIT, FLOOR MOUNTED, WITH 5" (130 mm) TOE BASE, SINGLE DOOR, FIXED SHELF, 32" (815 mm) ALONG WALLS, HEIGHTS 31" (790 mm), 25" (635 mm)	12301
VL14	1	CF	TABLE FRAME, WITH DRAWER(S), KNEE SPACE UNIT, AVAILABLE WIDTHS 18" (460 mm), 24" (610 mm). 30" (760 mm), 36" (915 mm), 42" (1065 mm), 48" (1220 mm) DEPTH 22" (560 mm); HEIGHT 31" (790 mm)	12301
VL29	AR	CF	CABINET, WALL, WITH SLOPING TOP, 2 GLAZED SLIDING DOORS AND 2 ADJUSTABLE SHELVES AVAILABLE WIDTHS 36" (915 mm), 48" (1220 mm); DEPTH 16" (405 mm); HEIGHT 30" (760 mm)	12301
	AR	СС	RECEPTACLE, ELECTRICAL, DUPLEX, 120 VOLT, 15 AMP, STRIP MOLD WITH OUTLETS, WIRED ALTERNATELY ON SEPARATE CIRCUITS ON 24" (610 mm) CENTERS ABOVE COUNTER	16140
	AR	СС	OUTLET, WALL, OXYGEN (LOCATE OUTLETS ABOVE COUNTER)	15491
	AR	СС	OUTLET, WALL, MEDICAL AIR (LOCATE OUTLETS ABOVE COUNTER)	15491
	AR	СС	OUTLET, WALL, VACUUM (LOCATE OUTLETS ABOVE COUNTER)	15491
	1	VV	FLOWMETER, 15 LITER PER MINUTE	
	1	СС	RECEPTACLE, ELECTRICAL, DUPLEX, 120 VOLT, 20 AMP, COMPATIBLE WITH EXTRACORPOREAL PERFUSION PUMP	16140

Design Guide - Surgical Service

Department of Veterans Affairs

Heart/Lung Machine Preparation Room 180 NSF (17.4 NSM) Equipment Guide List
Page 1 of 2

Guide Plate:

5-3c (i)

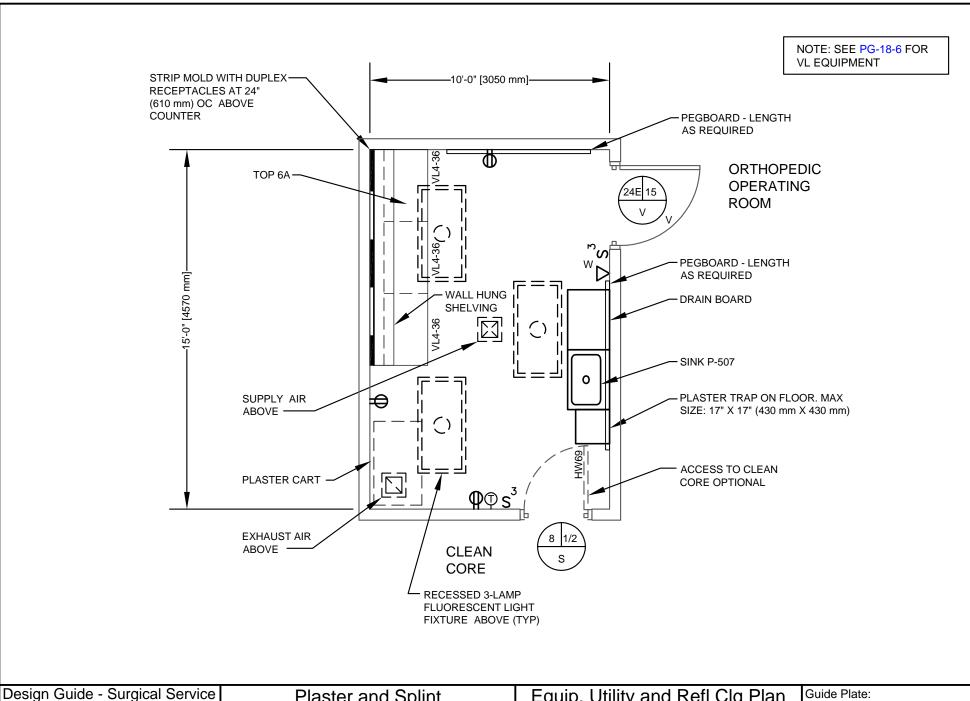
SYMBOL	QTY	ΑI	DESCRIPTION	MCS
	AR	VV	CABINET, STORAGE, STEEL, FLOORSTANDING WITH, 2 DOORS, 5 ADJUSTABLE SHELVES AND LOCK 36" X 18" X 84" (915 mm X 460 mm X 2135 mm)	
	1	VV	DISPENSER, SOAP, LIQUID, WALL MOUNTED	
	1	VV	DISPENSER, BIFOLD PAPER TOWEL, SURFACE MOUNTED	
	AR	VV	STOOL, ADJUSTABLE ON SWIVEL CASTERS WITH HEEL RIM	
	AR	VV	MACHINE, HEART/LUNG BYPASS	
	1	VV	CLOCK, BATTERY OPERATED	
	AR	СС	RECEPTACLE, ELECTRICAL, DUPLEX, 120 VOLT, 20 AMP	16140
	1	СС	COMPUTER TERMINAL OUTLET, SIGNAL AND POWER	

Department of Veterans Affairs

Heart/Lung Machine Preparation Room 180 NSF (17.4 NSM) Equipment Guide List
Page 2 of 2

Guide Plate:

5-3c (ii)



**Department of Veterans Affairs**  Plaster and Splint Storage Room 150 NSF (14.0 NSM)

Equip, Utility and Refl Clg Plan (METERS) F Scale: 1/4"=1'- 0"

5-4a

Floor Area Ceiling Ceiling Height - Floor Load 19

150 NSF (14.0 NSM) GYP. BOÀRD

Wall Finish Wainscot

Lead Lining

GYP. BOARD(SC)

**AC Load Lights AC Load Equipment** Number of People

2.2 W/SF 1.2 W/SF

**WSF** Base 100 PSF Floor finish

6" (152 mm) INTEGRAL COVE BASE

NC-40

Note:

Negative Room Pressure Dry Bulb Temp Cooling Range 78° F (25° C) 72° F (22° C)

HEATING, VENTILATING AND AIR CONDITIONING

Refer to PG-18-1 and PG-18-6

Dry Bulb Temp Heating Range Minimum Air Changes per Hour Minimum % Outside Air

4 100

100% Exhaust Air Special Exhaust

YES

Steam

Noise Criteria

50 %

Power

**1200 WATTS** 

Relative Humidity Relative Humidity 30 %

General Special

Emergency

Lighting

**ELECTRICAL** 

50 FC, 2.0 W/SF

General Special

Emergency

\*(1) STRIP MOLD WITH DUPLEX RECEPTACLES

24" (610 mm) OC ABOVE COUNTER

PLUMBING AND MEDICAL GASES

YES Cold Water YES Hot Water Sanitary Drain YES

Medical Air Medical Vacuum Oxygen

Acid Waste Silver Recovery Plaster Trap

Nitrous Oxide YES

Nitrogen Anesthesia Evac

## **TELECOMMUNICATIONS**

Patient Monitor -Nurse Call Code One CCTV

YES Telephone Intercom Public Addr. ADP

Radio

SPECIAL EQUIPMENT

None

Design Guide - Surgical Service

**Department of Veterans Affairs**  Plaster and Splint Storage Room 150 NSF (14.0 NSM)

**Design Standards** 

Guide Plate:

5-4b

SYMBOL	QTY	ΑI	DESCRIPTION	MCS
TOP 6/6A	AR	CF	COUNTER TOP, HIGH PRESSURE PLASTIC LAMINATE, ACID RESISTANT COMPOSITION OVER PLYWOOD OR PARTICLE BOARD CORE, 1-1/4" (30 mm) THICK	12303
VL4/4A	AR	CF	CABINET, UNDERCOUNTER, WITH 2 DRAWERS, 2 HINGED DOORS AND 1 ADJUSTABLE SHELF AVAILABLE WIDTHS 30" (760 mm), 36" (915 mm), 48" (1220 mm); DEPTH 22" (560 mm); HEIGHTS 31" (790 mm), 25" (635 mm), FOR FLOOR MOUNTED ADD 5" (130 mm) TOE BASE	12301
	AR	СС	SHELVING, WALL HUNG, WITH ADJUSTABLE SHELVES, 12" (305 mm) DEEP X LENGTH AS REQUIRED	06200
	1	СС	PEGBOARD, PERFORATED COMPOSITION BOARD, 1/4" (30 mm) THICK WITH ADJUSTABLE HANGARS ABOVE COUNTER	06200
P-507	1	СС	SINK, PLASTER, SINGLE COMPARTMENT, CRS DRAINBOARD WITHOUT CORRUGATIONS	15450
	1	VV	CART, PLASTER	
	1	VV	DISPENSER, SOAP, LIQUID, WALL MOUNTED	
	1	VV	DISPENSER, BIFOLD PAPER TOWEL, SURFACE MOUNTED	
	AR	СС	RECEPTACLE, ELECTRICAL, DUPLEX, 120 VOLT, 20 AMP	16140
	AR	СС	RECEPTACLE, ELECTRICAL DUPLEX, 120 VOLT, 15 AMP MOLD STRIP WITH OUTLETS WIRED ALTERNATELY ON SEPARATE CIRCUITS ON 24" (610 mm) CENTERS ABOVE COUNTER	16140

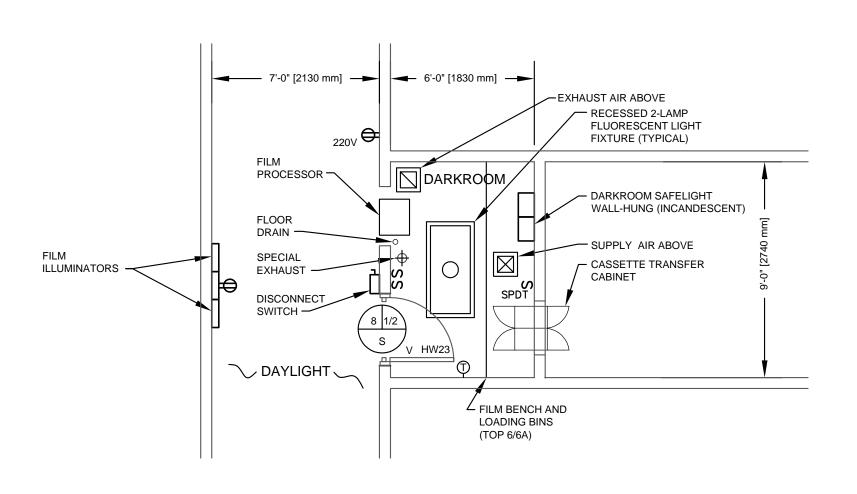
Design Guide - Surgical Service

Department of Veterans Affairs

Plaster and Splint Storage Room 150 NSF (14.0 NSM) Equipment Guide List

Guide Plate:

5-4c



Department of Veterans Affairs

Radiographic Film Processing Room 120 NSF (11.0 NSM)

Equip, Utility and Refl Clg Plan

1 0 1 2 4

(METERS) Scale: 1/4"=1'- 0"

Guide Plate:

5-5a

Floor Area 120 NSF (11.0 NSM) Wall Finish Ceiling GYP. BOARD

9'-0" (2.75 METERS) Base

Ceiling Height Floor Load 100 PSF

Refer to PG-18-1 and PG-18-6

Wainscot

Floor finish

GYP. BOARD(SC)

WSF 6" (152 mm) INTEGRAL

COVE BASÉ

360 WATTS

Lead Lining

HEATING, VENTILATING AND AIR CONDITIONING

**AC Load Lights** AC Load Equipment Number of People

Noise Criteria Room Pressure

Dry Bulb Temp Cooling Range Dry Bulb Temp Heating Range Minimum Air Changes per Hour

Minimum % Outside Air 100% Exhaust Air

Special Exhaust

Steam **Relative Humidity** 

50 %

1.5 W/SF

7.5 W/SF

**NEGATIVE** 

78° F (25° C)

72° F (22° C)

4" ROUND DUCT\*

NC-40

8(SA)

1Ò0

YES

Relative Humidity 30 %

\*FOR FILM PROCESSOR

**DUCTS REQUIRE LEAD SHIELDING** 

# **ELECTRICAL**

Note:

Lighting

General 40 FC, 1.5 W/SF\* Special

0-10 FC, 0.5 W/SF\* SAFETY LIGHT\*

General Special

Power

Emergency

\*INCANDESCENT

**Emergency** 

#### PLUMBING AND MEDICAL GASES

YES Cold Water Medical Air YFS Hot Water Medical Vacuum -Sanitary Drain Oxygen Acid Waste YES Nitrous Oxide Silver Recovery YES Nitrogen

Anesthesia Evac -

# **TELECOMMUNICATIONS**

Telephone Patient Monitor Nurse Call Intercom Code One Public Addr. CCTV

ADP Radio

SPECIAL EQUIPMENT

None

Design Guide - Surgical Service

**Department of Veterans Affairs**  Radiographic Film Processing Room 120 NSF (11.0 NSM)

**Design Standards** 

Guide Plate:

5-5b

SYMBOL	QTY	ΑI	DESCRIPTION	MCS
	1	VC	PROCESSOR, FILM, AUTOMATIC, 90 SECOND PROCESSING CYCLE, THRU WALL	
	AR	VC	TANK, REPLENISHER, 25 GAL. CAPACITY AND CURBING, 2 FOR EACH PROCESSOR	
TOP 6/6A	1	CF	COUNTER TOP, HIGH PRESSURE PLASTIC LAMINATE, ACID RESISTANT COMPOSITION OVER PLYWOOD OR PARTICLE BOARD CORE, 1-1/4" (30 mm) THICK	12302
	AR	VV	BENCH, FILM LOADING AND STORAGE BINS	
	1	VV	ILLUMINATOR, X-RAY FILM, 120 VOLT, 150 WATTS, WALL MOUNTED, INDIVIDUAL SWITCH FOR THREE, 14" X 17" (355 mm X 430 mm) RADIOGRAPHS, 31"W X 20"H (790 mm X 510 mm)	
	1	СС	SAFELIGHT, WALL MOUNTED, SWITCH ON WALL	
	AR	СС	DOORS, LIGHTPROOF OR LIGHT LOCK DOOR IF SPECIFIED	11471
	1	СС	CASSETTE TRANSFER CABINET, THRU WALL	13091
	1	VV	DISPENSER, SOAP, LIQUID, WALL MOUNTED	
	1	VV	DISPENSER, BIFOLD PAPER TOWEL, SURFACE MOUNTED	
	AR	СС	RECEPTACLE, ELECTRICAL, DUPLEX, 120 VOLT, 20 AMP	16140
	1	СС	RECEPTACLE, ELECTRICAL, SINGLE	16140

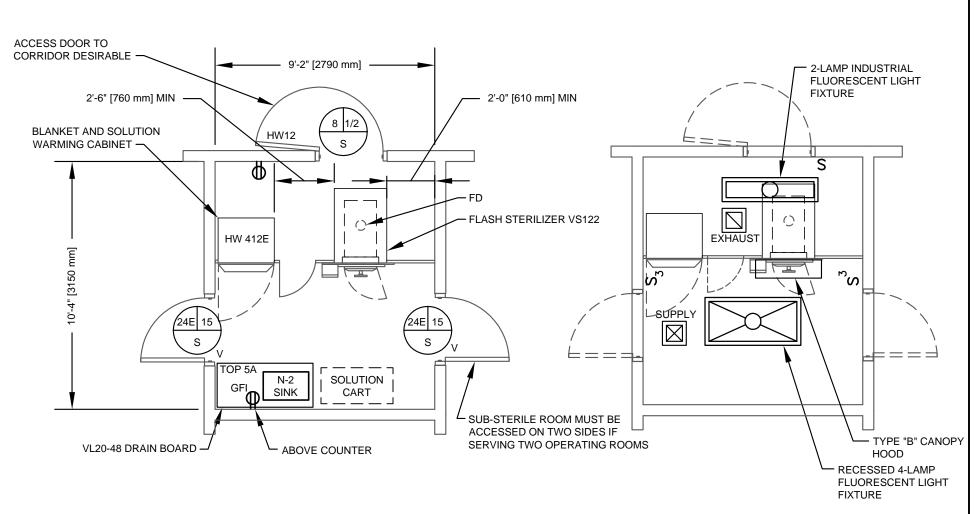
Design Guide - Surgical Service

Department of
Veterans Affairs

Radiographic Film Processing Room 120 NSF (11.0 NSM) Equipment Guide List

Guide Plate:

5-5c



**Equipment and Utility Plan** 

Reflected Ceiling Plan

Design Guide - Surgical Service



Sub-Sterile Room (Recessed Equipment) 95 NSF (8.8 NSM)



Guide Plate:

5-6a

Floor Area Ceilina Ceiling Height

GYP. BOARD **AS REQUIRED** 

95 NSF (8.8 NSM) Wall Finish Wainscot

GYP. BOARD(SC)

6" (152 mm) INTEGRAL

COVE BASÉ

**180 WATTS** 

WSF

Floor finish

Base

Lead Lining Refer to PG-18-1 and PG-18-6

# **ELECTRICAL**

General

Special

Emergency

Floor Load

Note:

Lighting

100 FC, 2.5 W/SF

General Special

ALL Emergency ALL

Power

\*(1) STERLIZER 600W CONTROL, (1) WARMER 1500W

#### **TELECOMMUNICATIONS**

Patient Monitor Nurse Call Code One CCTV

Telephone Intercom Public Addr ADP Radio

#### HEATING, VENTILATING AND AIR CONDITIONING

AC Load Lights **AC Load Equipment** 

Number of People Noise Criteria

Room Pressure

Dry Bulb Temp Cooling Range Drv Bulb Temp Heating Range Minimum Air Changes per Hour

Minimum % Outside Air 100% Exhaust Air Special Exhaust Steam

Relative Humidity Relative Humidity 2.5 W/SF

3.0 W/SF+VS-122\*

NC-40

POSITIVE\*\*

78° F (25° C) 72° F (22° C)

100 YES HOOD\* YES 50 % 30 %

\*SEE TYPE "B" CANOPY HOOD OVER VS-122: SEE PG-18-6. CADD DETAIL NO. 11710-2.DWG FOR STEAM AND HEAT GAIN CAPACITIES.

\*\*NEGATIVE PRESSURE IN EQUIPMENT ROOM.

#### PLUMBING AND MEDICAL GASES

Cold Water YES Medical Air YES Hot Water Medical Vacuum -Sanitary Drain YES Oxygen Acid Waste Nitrous Oxide Silver Recovery -Nitrogen Anesthesia Evac -

SPECIAL EQUIPMENT

None

Design Guide - Surgical Service

**Department of Veterans Affairs** 

Sub-Sterile Room (Recessed Equipment) 95 NSF (8.8 NSM)

**Design Standards** 

Guide Plate:

5-6b

SYMBOL	QTY	ΑI	DESCRIPTION	MCS
VS-122	1	СС	STERILIZER, SINGLE DOOR, RECESSED THROUGH ONE WALL, CHAMBER SIZE: 16" X 16" X 26"/3.8 Cu. Ft., (405 mm X 665 mm / 0.11 m <sup>3</sup> ), PROVED STEAM, WATER, COMPRESSED AIR, DRAIN, ELECTRIC AND EXHAUST AS REQUIRED -OR-	11710
VS-123	1	СС	STERILIZER, SINGLE DOOR, CABINET ENCLOSED, CHAMBER SIZE: 16" X 16" X 26" / 3.8 Cu.Ft. (405 mm X 405 mm X 665 mm / 0.11m <sup>3</sup> ) PROVIDE STEAM, WATER, COMPRESSED AIR, DRAIN, ELECTRIC AND EXHAUST AS REQUIRED	11710
HW-412E	1	CC	CABINET, SOLUTION WARMING, TWO COMPARTMENTS, ELECTRICAL (SERVICE AS REQUIRED), RECESSED, 30" X 27" X 76" (760 mm X 685 mm X 1930 mm)	11710
	1	СС	DRAIN, FLOOR	15400
TOP 5A	1	CF	COUNTER TOP, CORROSION RESISTING STEEL, 1-1/4" (30 mm) THICK WITH INTEGRAL DOUBLE SINK, 26" X 23" X 11" DEEP (660 mm X 585 mm X 280 mm), EACH	12303
VL20/20A	1	CF	CABINET, UNDERCOUNTER, SINK UNIT, 2 HINGED PANEL DOORS, AVAILABLE WIDTHS 30" (760 mm), 36" (915 mm), 42" (1065 mm), 48" (1220 mm); DEPTH 22" (560 mm); HEIGHTS 31" (790 mm), 25" (635 mm), FOR FLOOR MOUNTED ADD 5" (130 mm) TOE BASE	12301
N-2	1	CF	SINK, CORROSION RESISTING STEEL, WITH END OR CORNER DRAIN OUTLET, 22" X 16" X 11" DEEP (560 mm X 405 mm X 280 mm)	12301
	1	VV	DISPENSER, PAPER TOWEL, SURFACE MOUNTED	
	1	VV	DISPENSER, SOAP, LIQUID, WALL MOUNTED	
	1	VV	CART, SOLUTION	
	1	VV	CLOCK, BATTERY OPERATED	
	1	СС	RECEPTACLE, ELECTRICAL, DUPLEX, 120 VOLT, 20 AMP, WITH GROUND FAULT INTERRUPTER	16140

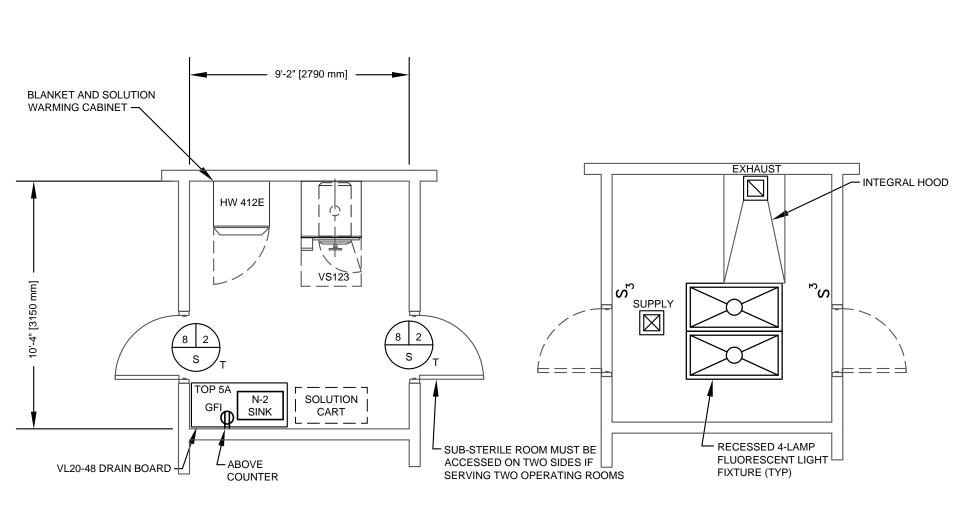
Design Guide - Surgical Service

Department of
Veterans Affairs

Sub-Sterile Room (Recessed Equipment) 95 NSF (8.8 NSM) Equipment Guide List

Guide Plate:

5-6c



**Equipment and Utility Plan** 

Reflected Ceiling Plan

Design Guide - Surgical Service

Department of Veterans Affairs

Sub-Sterile Room (Cabinet Enclosed Equipment) 95 NSF (8.8 NSM) Equip, Utility and Refl Clg Plan

1 0 1 2 4

(METERS) Scale: 1/4"=1'- 0"

Guide Plate:

5-7a

Floor Area 95 NSF (8.8 NSM) GYP. BOARD Ceilina Ceiling Height

AS REQUIRED

Wall Finish Wainscot Base

Lead Lining

**WSF** 6" (152 mm) INTEGRAL Floor finish

GYP. BOARD(SC)

COVE BASÉ

**180 WATTS** 

Note:

Floor Load

Refer to PG-18-1 and PG-18-6

# **ELECTRICAL**

Lighting General

150 FC, 4.5 W/SF

Special Emergency ALL

Power General

> Special Emergency ALL

Note:

\*(1) STERLIZER 600W CONTROL, (1) WARMER 1500W

#### **TELECOMMUNICATIONS**

Patient Monitor Telephone Nurse Call Intercom Code One Public Addr. CCTV ADP

Radio

# HEATING, VENTILATING AND AIR CONDITIONING

**AC Load Lights** AC Load Equipment

Number of People Noise Criteria

Room Pressure Dry Bulb Temp Cooling Range Dry Bulb Temp Heating Range

Minimum Air Changes per Hour Minimum% Outside Air

100% Exhaust Air Special Exhaust

Steam Relative Humidity Relative Humidity 4.0 W/SF

1.9 W/SF+VS-123\*

NC-40

**NEGATIVE** 78° F (25° C) 72° F (22° C)

100 YES

VS-123 HOOD\*

YES 50 % 30 %

Notes:

\*INTEGRAL CANOPY HOOD; SEE PG-18-6 CADD DETAIL NO. 11710-1.DWG. FOR STEAM HEAT GAIN.

#### PLUMBING AND MEDICAL GASES

YES Cold Water Medical Air YES Hot Water Medical Vacuum -Sanitary Drain YES Oxygen Acid Waste Silver Recovery Nitrous Oxide

Nitrogen Anesthesia Evac -

#### SPECIAL EQUIPMENT

None

Design Guide - Surgical Service

**Department of Veterans Affairs** 

Sub-Sterile Room (Cabinet Enclosed Equipment) 95 NSF (8.8 NSM)

**Design Standards** 

Guide Plate:

5-7h

SYMBOL	QTY	AI	DESCRIPTION	MCS
VS-122	1	СС	STERILIZER, SINGLE DOOR, RECESSED THROUGH ONE WALL, CHAMBER SIZE: 16" X 16" X 26"/3.8 Cu. Ft., (405 mm X 665 mm / 0.11 m <sup>3</sup> ), PROVED STEAM, WATER, COMPRESSED AIR, DRAIN, ELECTRIC AND EXHAUST AS REQUIRED -OR-	11710
VS-123	1	СС	STERILIZER, SINGLE DOOR, CABINET ENCLOSED, CHAMBER SIZE: 16" X 16" X 26" / 3.8 Cu.Ft. (405 mm X 405 mm X 665 mm / 0.11 m $^3$ ) PROVIDE STEAM, WATER, COMPRESSED AIR, DRAIN, ELECTRIC AND EXHAUST AS REQUIRED	11710
HW-412E	1	СС	CABINET, SOLUTION WARMING, TWO COMPARTMENTS, ELECTRICAL (SERVICE AS REQUIRED), RECESSED, 30" X 27" X 76" (760 mm X 685 mm X 1930 mm)	11710
	1	СС	DRAIN, FLOOR	15400
TOP 5A	1	CF	COUNTER TOP, CORROSION RESISTING STEEL, 1-1/4" (30 mm) THICK WITH INTEGRAL DOUBLE SINK, 26" X 23" X 11" DEEP (660 mm X 585 mm X 280 mm), EACH	12303
VL20/20A	1	CF	CABINET, UNDERCOUNTER, SINK UNIT, 2 HINGED PANEL DOORS, AVAILABLE WIDTHS 30" (760 mm), 36" (915 mm), 42" (1065 mm), 48" (1220 mm); DEPTH 22" (560 mm); HEIGHTS 31" (790 mm), 25" (635 mm), FOR FLOOR MOUNTED ADD 5" (130 mm) TOE BASE	12301
N-2	1	CF	SINK, CORROSION RESISTING STEEL, WITH END OR CORNER DRAIN OUTLET, 22" X 16" X 11" DEEP (560 mm X 405 mm X 280 mm)	12301
	1	VV	DISPENSER, PAPER TOWEL, SURFACE MOUNTED	
	1	VV	DISPENSER, SOAP, LIQUID, WALL MOUNTED	
	1	VV	CART, SOLUTION	
	1	VV	CLOCK, BATTERY OPERATED	
	1	СС	RECEPTACLE, ELECTRICAL, DUPLEX, 120 VOLT, 20 AMP, WITH GROUND FAULT INTERRUPTER	16140

Design Guide - Surgical Service

Department of
Veterans Affairs

Sub-Sterile Room (Cabinet Enclosed Equipment) 95 NSF (8.8 NSM) Equipment Guide List

Guide Plate:

5-7c